

5 What is Claimed is:

1. A product selling system comprising:

clients networks accessible to Internet; and,

a service provider network including;

a data base having 3D image data of various products, and sample data of 3D images

10 of parts the various products are to be applied thereto, and

a web server having a program operative in connection with the data base for
facilitating a manipulation of combining a product image to a 3D sample image on the web
page if a client desires.

15 2. A system as claimed in claim 1, wherein the service provider network further
includes data bases having information on clients and different information for providing
services respectively, and the web server is programmed such that different classes of clients
are selectively logged-in to different web pages which provide different services.

20 3. A system as claimed in claim 1, wherein the service provider network includes;
a network having an account settling system for settling of accounts for small
amounts of money connected to the system, and
a network having an account settling system for settling of accounts for large amounts
of money connected to the system.

25 4. A system as claimed in claim 1, wherein the service provider network further
includes;

a separate data base for storing information on delivery, such as due dates of delivery

5 and the like, delivery done, and delivery place of the product following services provided.

5. A system as claimed in claim 1, wherein the service provider network further includes an e-mail server for providing an electronic mail service to facilitate information exchange when the client is an expert, or enterprise in the field.

10 6. A system as claimed in claim 1, wherein the service provider network further includes a search program for searching images stored in the data base on the web server.

7. A system as claimed in claim 6, wherein the search program includes at least any
15 one selected from an engine for retrieval technique, an engine for content based retrieval technique, and engine for annotation based retrieval technique.

8. A method for operating a product selling system, comprising the steps of:

(a) a client making access to a web server of a product selling enterprise by using a
20 client's own network;

(b) the client searching a required product;

(c) modeling a 3D image of a searched product and displaying on the web page;

(d) making a 3D installation simulation of the product to a part the product is to be
installed on the web page upon reception of request from the client; and,

25 (e) receiving various information required for selling the product if the client intends to buy the product, returning to any one prior step if the client cancels the intention to buy the product, and repeating the foregoing steps as far as there is no particular expression of intention from the client.

9. A method as claimed in claim 8, wherein the step (b) includes the step of ascertaining information on various products displayed on web page, personally.

10. A method as claimed in claim 8, wherein the step (b) includes the step of inputting information on a required product for searching a product falling on a required specification.

11. A method as claimed in claim 10, wherein the input information includes at least one kinds of information related to inside/outside structures of a place of installation of the product and a purpose of use of the product.

12. A method as claimed in claim 8, wherein the product includes any one of products given as an option in a building, such as room cooling/heating appliances, various electronic appliances, sinks and cupboards, furniture, different wash basins in bath rooms, lighting fixtures, interphones, elevators, escalators, and the like.

13. A method as claimed in claim 8, further comprising the step of inputting information on the part the product is to be installed at the client's option when the client makes access to the web page through the web server.

14. A method as claimed in claim 13, wherein the information on the part the product is to be installed thereon includes at least one of purpose of the building, an inside space size, persons in the room, inside material, a ventilation system, an internal structure, a floor number

5 the product is to be installed, and the like.

15. A method as claimed in claim 14, wherein the information on the part the product is to be installed thereon further includes an allowable load when the product is home appliance, such as a cooling/heating appliance.

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16. A method as claimed in claim 15, further comprising the step of the web server calculating and displaying a product appropriate to the allowable load and a number of the product after a step of inputting the allowable load in the inputting of information on the part the product is to be installed.

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17. A method as claimed in claim 13, further comprising the step of the web server recommending and displaying a 3D image of at least one product meeting the input information on the web page after the step of inputting the information on the part the product is to be installed.

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18. A method as claimed in claim 13, further comprising the step of the web server recommending and displaying a 3D image sample of at least one internal structure of a building meeting the input information on the web page.

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19. A method as claimed in claim 8, further comprising the step of the client inputting information on the part the product is to be installed thereon at the client's option after the step (c).

5 20. A method as claimed in claim 19, wherein the information on the part the product is to be installed thereon includes at least one of purpose of the building, an inside space size, persons in the room, inside material, a ventilation system, an internal structure, a floor number the product is to be installed, and the like.

10 21. A method as claimed in claim 20, wherein the information on the part the product is to be installed thereon further includes an allowable load when the product is home appliance, such as a cooling/heating appliance.

15 22. A method as claimed in claim 21, further comprising the step of the web server calculating and displaying a product appropriate to the allowable load and a number of the product after a step of inputting the allowable load in the inputting of information on the part the product is to be installed.

20 23. A method as claimed in claim 19, further comprising the step of the web server recommending and displaying a 3D image of at least one product meeting the input information on the web page after the step of inputting the information on the part the product is to be installed.

25 24. A method as claimed in claim 19, further comprising the step of the web server recommending and displaying a 3D image sample of at least one internal structure of a building meeting the input information on the web page.

25 25. A method as claimed in claim 8, wherein the step (d) includes the step of using a

5 drag and drop technique in which the 3D image of the product is dragged and dropped onto
the 3D image of the internal structure of the building displayed on the web page.

26. A method as claimed in claim 8, wherein the step (d) includes the step of making
3D movement of the 3D product image and/or zooming in/out a part of the product by using a
10 selective zoom in/out function when the client requests.

27. A method as claimed in claim 26, wherein the client request is made by
controlling an image by using various input devices, such as a mouse or a keyboard.

15 28. A method as claimed in claim 8, wherein the step (d) includes the step of the
client making a real time dragging and dropping of the product image on the web page when
the client desires to change a place of installation of the product.

29. A method as claimed in claim 8, wherein the step (a) includes the steps of;
20 (29a) the client logging-in a web page, the client being one of a plurality of groups of
clients classed with reference to purposes of access, such as individuals or experts of the field
or enterprises, and

(29b) the web server selectively providing products meeting to the client's purpose of
access when the client is logged-in a relevant web page.

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30. A method as claimed in claim 29, wherein the step (29a) includes the steps of,
providing brief information to a web page provided for clients classified as
individuals, and

5 providing detail information on various products to a web page provided for clients
classified as experts of the field of enterprises, and receiving information the client suggests.

31. A method as claimed in claim 30, wherein the detail information on products
includes brief information of the products provided to the client classified as individuals.

10 32. A method as claimed in claim 30, wherein, in a case the client selects types of
buildings from information provided on the web page, the selected building is enabled in 3D
graphic by using a separate graphic program built in the web page, and, when the client
selects a product, the selected product is placed into the enabled graphic for simulation of
15 installation.

33. A method as claimed in claim 30, wherein, in a case the client presents drawings
of a building the client has to the web page, the web server enables the presented building in a
3D graphic by using a separate graphic program built in the web page, and, when the client
20 selects a product, the selected product is placed into the enabled graphic for simulation of
installation.

34. A method as claimed in claim 30, wherein, in a case the client presents design
drawings of a building intended to build later, the web server compares information on
25 various products stored in the data base to the design drawings of the building, and searching
and presenting a product fit to an internal structure of the building on the design drawings.

35. A method as claimed in claim 34, wherein the client presents the design drawings

5 of the building by converting the design drawings into data, and transmitting a file of the data
in an e-mail.

36. A method as claimed in claim 35, wherein the step of the web server presenting a
product fit to the internal structure of the building includes the step of applying the product to
10 the design drawings of the building converted into data, and transmitting to the client in an e-
mail.

37. A method as claimed in claim 34, wherein the step of the web server presenting a
product fit to the internal structure of the building includes the step of making simulation of
15 application of the product to the internal structure of the building on the design drawings, and
displaying on the web page.

38. A method as claimed in claim 8, further comprising the step of storing
information received from the client in a data base when the web server of the product selling
20 enterprise receives information required for determination of buy of the product from the
client.

39. A method as claimed in claim 38, wherein the information on the client required
for determination of buy received at the product selling enterprises includes a kind of product,
25 a number of the products, delivery due date of the product.

40. A method as claimed in claim 38, further comprising the step of providing an
option proportional to a total money involved when the product selling enterprise receives

5 information on determination of buy of the product from the client.

41. A method as claimed in claim 40, wherein the option to the client from the product selling enterprise includes at least one selected from a discount ratio proportional to a total money involved, separate goods (gifts) or cash, and a discount ratio applicable when the client buys a product of the product selling enterprise, and other enterprises associated with the product selling enterprises.

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